Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

CW#12: Finding points on Quadratics

Geometry

September 24th, 2015

Given two points that lie on a quadratic, find the location of the axis of symmetry.

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| 1.  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-20 at 1.57.15 PM.png | 2.  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-20 at 1.57.49 PM.png |
| 3.  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-20 at 1.58.27 PM.png |  |

Given the vertex of a quadratic function, A, and another point on the quadratic, B, find another point that lies on the quadratic function.

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| 4.  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-20 at 3.19.35 PM.png | 5.  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-20 at 3.18.20 PM.png |
| 6.  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-20 at 3.19.00 PM.png | 7.  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-20 at 3.20.01 PM.png |

8. Suppose the points (-4, -5) and (8, -5) lie on a quadratic function. Find the location of the axis of symmetry.

9.

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If AB = 2x+8 and BC = 8x+4, find the axis of symmetry.